

1	2
1 H ⁺ hydrogen	2 Be ²⁺ beryllium
3 Li ⁺ lithium	4 Be ²⁺ beryllium
11 Na ⁺ sodium	12 Mg ²⁺ magnesium
19 K ⁺ potassium	20 Ca ²⁺ calcium
37 Rb ⁺ rubidium	38 Sr ²⁺ strontium
55 Cs ⁺ cesium	56 Ba ²⁺ barium
87 Fr ⁺ francium	88 Ra ²⁺ radium

acetate	CH ₃ COO ⁻	TABLE OF POLYATOMIC IONS		oxalate	C ₂ O ₄ ²⁻
arsenate	AsO ₄ ³⁻	dihydrogen phosphate	H ₂ PO ₄ ⁻	perchlorate	ClO ₄ ⁻
arsenite	AsO ₃ ³⁻	hydrogen carbonate	HCO ₃ ⁻	periodate	IO ₄ ⁻
benzoate	C ₆ H ₅ COO ⁻	hydrogen oxalate	HC ₂ O ₄ ⁻	permanganate	MnO ₄ ⁻
borate	BO ₃ ³⁻	hydrogen sulfate	HSO ₄ ⁻	peroxide	O ₂ ²⁻
bromate	BrO ₃ ⁻	hydrogen sulfide	HS ⁻	phosphate	PO ₄ ³⁻
carbonate	CO ₃ ²⁻	hydrogen sulfite	HSO ₃ ⁻	pyrophosphate	P ₂ O ₇ ⁴⁻
chlorate	ClO ₃ ⁻	hydroxide	OH ⁻	sulfate	SO ₄ ²⁻
chloride	Cl ⁻	hypochlorite	ClO ⁻	sulfite	SO ₃ ²⁻
chlorite	ClO ₂ ⁻	iodate	IO ₃ ⁻	thiocyanate	SCN ⁻
chromate	CrO ₄ ²⁻	monohydrogen phosphate	HPO ₄ ²⁻	thiosulfate	S ₂ O ₃ ²⁻
cyanate	CNO ⁻	nitrate	NO ₃ ⁻	POSITIVE POLYATOMIC IONS	
cyanide	CN ⁻	nitrite	NO ₂ ⁻	ammonium	NH ₄ ⁺
dichromate	Cr ₂ O ₇ ²⁻	orthosilicate	SiO ₄ ⁴⁻	hydronium	H ₃ O ⁺

PERIODIC TABLE OF IONS

KEY					
atomic number →	26	Fe ³⁺	ion charge	17	18
		iron (III)	ion name (IUPAC)	1	2
symbol →		Fe ²⁺		H ⁻	He
		iron (II)		hydride	helium
13	14	15	16	17	18
5 B boron	6 C carbon	7 N ³⁻ nitride	8 O ²⁻ oxide	9 F ⁻ fluoride	10 Ne neon
13 Al ³⁺ aluminum	14 Si silicon	15 P ³⁻ phosphide	16 S ²⁻ sulfide	17 Cl ⁻ chloride	18 Ar argon
31 Ga ³⁺ gallium	32 Ge ⁴⁺ germanium	33 As ³⁻ arsenide	34 Se ²⁻ selenide	35 Br ⁻ bromide	36 Kr krypton
49 In ³⁺ indium	50 Sn ⁴⁺ tin (IV)	51 Sb ³⁺ antimony (III)	52 Te ²⁻ telluride	53 I ⁻ iodide	54 Xe xenon
81 Tl ⁺ thallium (I)	82 Pb ²⁺ lead (II)	83 Bi ³⁺ bismuth (III)	84 Po ²⁺ polonium (II)	85 At ⁻ astatide	86 Rn radon

58 Ce ³⁺ cerium	59 Pr ³⁺ praseodymium	60 Nd ³⁺ neodymium	61 Pm ³⁺ promethium	62 Sm ³⁺ samarium (III)	63 Eu ³⁺ europium (III)	64 Gd ³⁺ gadolinium	65 Tb ³⁺ terbium	66 Dy ³⁺ dysprosium	67 Ho ³⁺ holmium	68 Er ³⁺ erbium	69 Tm ³⁺ thulium	70 Yb ³⁺ ytterbium (III)	71 Lu ³⁺ lutetium
90 Th ⁴⁺ thorium	91 Pa ⁵⁺ protactinium (V)	92 U ⁶⁺ uranium (VI)	93 Np ⁵⁺ neptunium	94 Pu ⁴⁺ plutonium (IV)	95 Am ³⁺ americium (III)	96 Cm ³⁺ curium	97 Bk ³⁺ berkelium (III)	98 Cf ³⁺ californium	99 Es ³⁺ einsteinium	100 Fm ³⁺ fermium	101 Md ²⁺ mendelevium (II)	102 No ²⁺ nobelium (II)	103 Lr ³⁺ lawrencium